APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Conditions for theDeposition and Structure of Compact Electrolytic Metal Deposits. Part II. Electrolytic Nickel Deposits in the Range of the Ft and Ud Type, by J. Elye, 15 pp.

GERMAN, per, Metall, Vol XI IX, 1955, pp 104-109.

AEC Tr 3167

Sci - Min/Met

May 58

62,640

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Influence of Carbon Bricks in Blast-furnace Hearths, the Heat Engineering Viewpoint, by R. Banke, J. Tischendorf.

GERMAN, per, Metallurgie, Apr 1955, p 123-127.

ASLIB-GB137

Sci

Jul 59

92,754

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Attack by Pig-Iron and Slag on Carbon Refractories for Blast Furnaces, by W. Kuntscher, J. Holshey.

GERMAN, per, Metallurgie, Apr 1955, pp 128-132.

ASLIB-GB137

Sci

Jul 59

92, 762

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

A System of Air-Cooling for Blast Furnace Floors, by J. Tischendorf.

GERMAN, per, Metallurgie, Apr 1955, pp 132-134.

ASLIB-GB137

Sci

Aug 59

95,699

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Carbon Brick in Blast Furnaces, by J. Polmhey.

GERMAN, per, Metallurgie, Apr 1955, pp 134-144.

ASLIB-GB137

Sci

Aug 59

95,695

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Rapid Method of Determining Chromium in Steel, by K. Erz, M. Schnabel.

GERMAN, per, Metallurgie, Vol V, 1955, pp 163-165.

ASLIB GB 70/4309

Sci - Min/Met
Apr 62

192,087

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Corrosion Prevention of Aluminum Through Natural or Thickened Oxide Films: Recent Investigations, by D. Altenpohl, 35 pp.

GERMAN, per, Metall, Vol IX, No 5/6, Mar 1955, pp 164-171.

FLA 57-2570

Sci

Aug 58

69.866

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Measures for the Prevention of Coarse Segregations of Carbide in High Speed Steels, by K. Werner.

GERMAN, per, Metallurgie, Vol V, No 8, 1955, pp 252-258.

ASLIB-C941

Sci
Aug 5,

94, 566

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

New Method for the ~~XXXXXXX~~ Annealing of Brass Strips in Continuous Heating Furnaces, by Th. Nunker.

GERMAN, per, Metall, Vol IX, 1955, pp 967-971.

CSIRO

199,652

Sci - Engr
Jun 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Use of Beryllium in Lightmetals, by E. A. Smith, E. A. Giessen, 5 pp.

GERMAN, per, Metall, Vol IX, 1955, pp 198, 199.

AEC Tr 2923

48,649

Sci - Min/Metals
Jun 57

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Rosin-Rammler Distribution of Particle Size in Powders, by R. Brenner, A. Vidmajer, 27 pp.

GERMAN, per, Metall, Vol IX, 1955, pp 395-403.

AEC AMRE/Trans/14

Sci - Min/Met
May 61

150,893

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Special Ceramic Materials for Metallurgical Purposes, by G. Jaeger, 28 pp.

GERMAN, per, MetAll, Vol IX, No 9/10, May 1955, pp 358-366. (Loan Copy Only).

SLA 57-2773

Sci

Aug 58

71,454

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Dovelopments in Grinding and Polishing Practices, by E. Burkart, 4 pp.

GERMAN, per, Metall, Vol IX, No 11-12, Jun 1955, pp 472, 473.

SLA Tr 57-1907

Sci

Jul 58

67,998

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Grodzinski, P.
LOW LOAD HARDNESS; ITS ELASTIC, PLASTIC AND CRACKING COMPONENTS. [1962] 11p. (tables figs. refs. omitted)
Order from SLA $1.60 62-16969

Trans. of Metall (West Germany) 1955 [v. 9, Dec] p. 554-560.

DESCRIPTORS: *Hardness, Elasticity, Plasticity, Fracture (Mechanics), Load distribution, Metals, Plastic flow.

(Metallurgy, TT, v. 5, no. 11)

62-16969

1. Grodzinski, P.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Researches on the Cutting Properties of WC-TiC-Co Alloys, by H. J. Boose.

GERMAN, bimo per, Metall, Vol IX, No 13/14, 1955, pp 560-564.

D.S.I.R./27515

46,439

Sci - Chemistry
Apr 57 CTS/dex

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Standardization in the Field of Corrosion and Corrosion-Protection in Germany, 5 pp.

GERMAN, per, Metal, Vol IX, No 13/14, Jul 1955, p 593.

SLA Tr 1806 Jan 1957

Scl - Min/Met
Apr 1957

46,293

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Absorption of Hydrogen by Lead and Lead Alloys Containing Magnesium and Calcium, by W. Mannchen, M. Baum, 10 pp.
GERMAN, per, Metall, Vol IX, No 15, 16, 1955, pp 686-689. 9223340
AEC-AI-Tr-52

Sci-Mat & Met
Aug 64

265,627

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Preparation of Micro-Test Pieces from Difficulty Workable Metallic Materials, by R. Palme and H. Wagner.

GERMAN, per. Metall, Vol IX, No 17/18, 1955, p 752.

ASLIB-GB43

Sci

Aug 58

71,700

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Klärding, J. and Licht, F. R.
NOISE MEASUREMENTS FOR THE CONTROL AND CONDUCT OF THE BLOW IN THE BESSEMER PROCESS, PTS. 1-2. [1956] [19]p. 5 refs.
Order from SLA $1.60 61-16250

Abstract trans. of Metall (West Germany) 1955, v. 9, no. 17/18, p. 780-783 (originally pub. as [Centre de Documentation Siderurgique]. Circulaire d'In[formations] Techn[iques] 1956, v. 13, p. 1091-1099) and 1956, v. 10, no. 8/9, p. 405-415.

DESCRIPTORS: Blast furnaces, Steel, *Noise, Intensity, Manufacturing methods, Quality control, Measurement

(Metallurgy, TT, v. 6, no. 4)

61-16250

1. Title: Bessemer process
I. Klärding, J.
II. Licht, F. R.

177643

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Behavior of Metal Heating Wires When Tested for Service Life, by Part II, by A. Schulze, D. Bender.

GERMAN, per, Metall, Vol IX, No 19/20, 1955, pp 878-882.

Brutcher No 3742
$5.90

40,667

Sci - Min/metals

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Lattice Constitution and the Property Changes of Copper-Rich Copper-Silicon and Copper-Manganese-Silicon Alloys, by M. Mony, K. L. Dreyer, 36 p.

GERMAN, per, Metall, 1955, Vol IX, No 21/22, pp 947-954.

SLA 59-17772

Sci
Feb 60
Vol 2, No 9

107006

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

V. G. Speranski,

GERMAN, per, Metallurg, No 8, 1956, pp 12-15.

C.S.I.R.O.

Sci-Biographic

May 60

115,959

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Use of Beryllium in Light Metals, by E. A. Smith and E. A. Giessen, 5 pp.

GERMAN, per, Metall, Vol IX, No 5/6, Mar 1956.

7

SLA 57-3341
AEC Tr 2923

Sci

72,538

Aug 58

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Thews, E. R.
MODERN REFINING METHODS FOR LEAD SCRAP AND BABBITT METAL SCRAP. [1962] 12p.
Order from SLA $1.60 63-10016

Trans. of Metall (West Germany) 1956, v. 10, no. 1/2, p. 16-20.

DESCRIPTORS: *Smelting, *Lead, Purification, Material separation, Refineries.

(Metallurgy--Nonferrous Metals, TT, v. 10, no. 4)

63-10016

1. Title: Babbitt
2. Title: Scrap
I. Thews, E. R.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Recent Developments in the Construction of Pistons for Internal Combustion Engines, by K. Schneider, A. Nitsch. UNCL

GERMAN, per, Metall, Mx No 5/6, 1956, pp 205-211.

Aluminium Lab, Ltd

Sci - Engr
Jan 60

105 787

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Fine Forging and Forging Equipment, by K. W. Michler.

GERMAN, per, Metall, 1956, pp 293-297.

ASLIB-6895

Sci

Jul 59

92,744

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Internal Damping in Metals, by E. Waldschmidt.
GERMAN, per, Metall, Vol 10, 1956, pp 400-404.
*NTIS/NBS TT 71-55124
Available NBS Only

June 71

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Influence of Rate of Loading on the Stress-Strain Diagram During Tension Tests, by F. Fischer. UKCL

GERMAN, per, Metall, Vol X, No 9, 10, 1956, pp 419-423.

Natl Res Council Lib
C-2403
Ottawa 2, Canada
84,992

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Reconstruction of Foundations and Digging of a High Automatic Feed Furnace, by P. Thierry.

GERMAN, per, Metallurgie, Mafy 1956, pp 439-449.

ASLIB-GB137

Sci

Aug 59

95, 698

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Corrosion, Pt Crack Formation and Erosion at th... External Surfaces of Copper Alloy Condenser Tu... (Part V), by F. W. Rothing

...ERAL., per, Metall, Vol X, No 11/12, 1956, pp 520-523. 9093936

ACSIL Tr 1033

Sci - Chem

175,163

Dec 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

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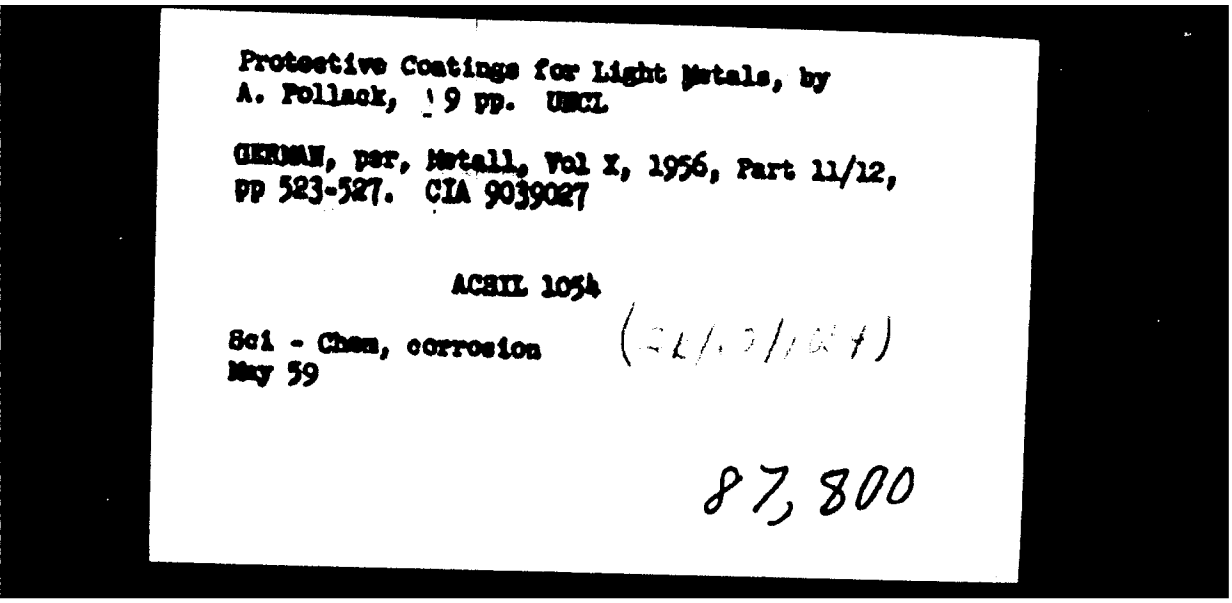

Protective Coatings for Light Metals, by A. Pollack, 19 pp. UNCL

GERMAN, per, Metall, Vol X, 1956, Part 11/12, PP 523-527. CIA 9039027

ACSIL 1054

Sci - Chem, corrosion (SL/.2/.84)
May 59

87,800

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Titanium Coatings on Metals and Ceramic Objects, by M. E. Straumanis, W. A. W. Schlechten.

GERMAN, per. Metall. Vol X, 1956, pp 901-910.

CSIRO

Sci - Min/Met
Jun 62

199,653

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

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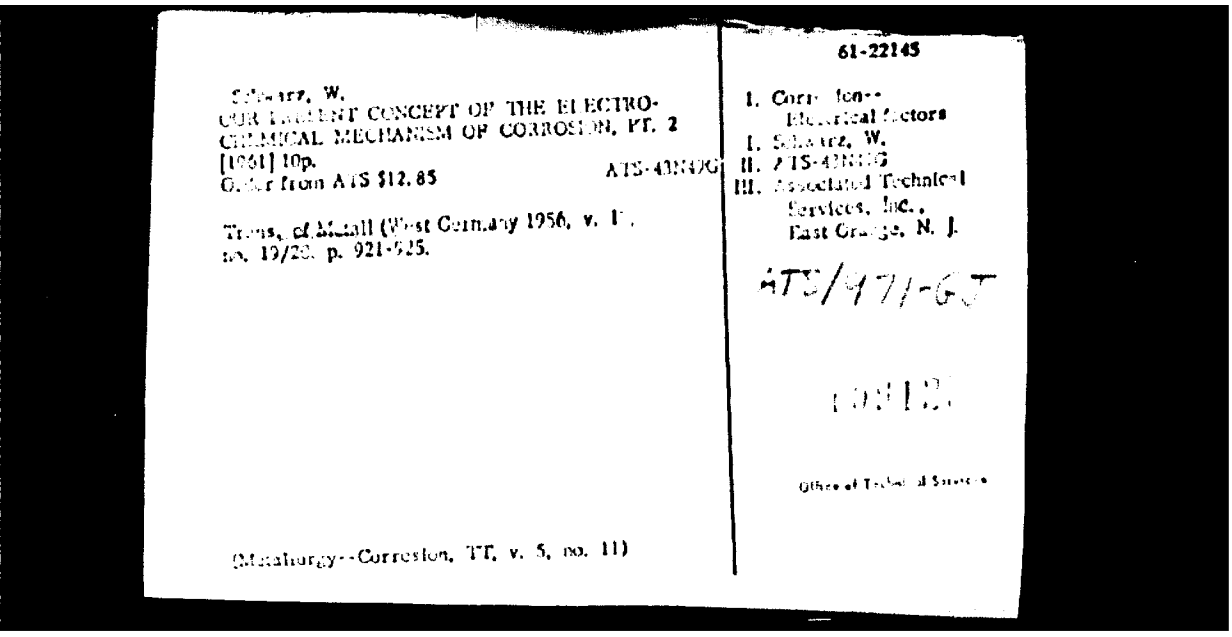

Schwarz, W.
OUR PRESENT CONCEPT OF THE ELECTRO-CHEMICAL MECHANISM OF CORROSION, PT. 2
[1961] 10p.
Order from ATS $12.85 ATS-43[illegible]G

Trans. of Metall (West Germany 1956, v. [illegible], no. 19/20, p. 921-925.

(Metallurgy--Corrosion, TT, v. 5, no. 11)

61-22145

I. Corrosion--Electrical factors
I. Schwarz, W.
II. ATS-43[illegible]G
III. Associated Technical Services, Inc., East Orange, N. J.

ATS/471-GJ

[illegible]

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

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Yugoslavia Aluminum Industry, 1 p.

GERMAN, per, Metall, Sep 1956, p 985.

CIA/FDD X-2188

40,018

Eur - Yugoslavia
Economic
Oct 1956

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Asian Aluminum Industry, 1 p.

GERMAN, per, Metall, Vol X, Oct 1956, p 1,000.

CIA/FTD X-2205

40,910

NE/A - India
FE - Japan
Economic - Alumina, Aluminum
Nov 1956 CTS/dcx

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Re: Aluminium Industry Joint-Stock Company (AIAG), 3 pp.

CHROMAN, no per, Metall, Vol X, Nov 1956, p 1104.

CIA/FDD X-2239

WEur - Germany; Italy; [redacted] Switzerland
Economic - Production, plants
Feb 1956 CHM/dex

42, 889

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Foreign Aluminum Developments, 2 pp.

GERMAN, no per, Metall, Vol X, Dec 1956, pp 1195, 1196.

CIA/FDD X-2240

IA - Brazil; Columbia
Economic - Production, plants 42,890
NE/A - India
Economic - Production, planning
Feb 1956 CEB/dex

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Kroll, W. J.
MELTING BY THE ELECTRIC ARC IN VACUUM.
[1963] 20p. 17 refs.
Order from SLA $1.60 63-16862

Trans. of Metall (West Germany) 1957 [v. 11, no. 1] p. 1-7.

DESCRIPTORS: *Titanium, *Zirconium, Melting, *Electric arcs, *Glow discharges, Gases, Absorption, *Vacuum systems, *Electrodes, Porous metals, Impurities, Hydrogen, Chlorides, Magnesium, Vaporization.

Topics include: Electrical phenomena in gases in a partial vacuum; the glow discharge; the sponge electrode and its behavior; the hydrogen problem; the proportion of sponge electrodes in vacuum melting; and, melting under low partial pressure.
(Metallurgy, TT, v. 10, no. 7)

63-16862

1. Kroll, W. J.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Procedings in Sintering Metallic Industrial Materials. by R. Palme, 9 p.

GERMAN, per, Metall, 1957, Vol XI, No 1, pp 8-9.

SLA 59-17625

Sci
Feb 60
Vol 2, No 9

107007

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Qualitative Evaluation of Soft Copper Wire for Coils Used in the Electrical Industry, 28 pp.

GERMAN, per, Metall, Vol XI, No 2, Feb 1957, pp 104-112.

CSIR 179

171,634

Sci - Elect

Oct 61

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Effects of Antimony Additions on Aluminium Alloys, by W. Thury,

GERMAN, per, Metall, Vol XI, No 3, pp 190-192.

C.S.I.R.O.

Sci - Chem

May 60

116/136

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Concerning Stress Corrosion in Non-Iron Metal Alloys, by H. Vosskuhler, 12 pp.

[redacted], per, Metall, Vol XI, 1957, pp 193-196.

AEC Tr 3253

Sci - Min/met
Jun 58

65,967

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Russian Aluminum Production in 1955, 1 p.

GERMAN, per, Metall, Vol XI, Mar 1957, p 263.

CIA/FDD X-2388

USSR
Econ
Apr 57

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

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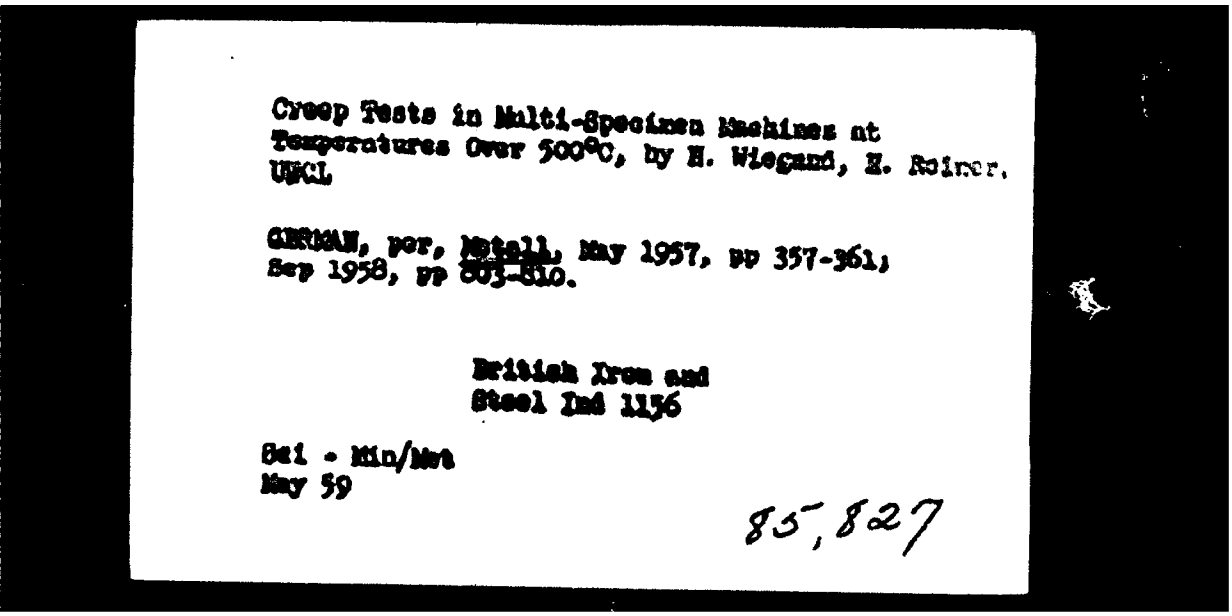


Creep Tests in Multi-Specimen Machines at Temperatures Over 500°C, by H. Wiegand, E. Reiner, UKCL

GERMAN, por, Metall, May 1957, pp 357-361; Sep 1958, pp 805-810.

British Iron and Steel Inst 1156

Sci - Min/Met
May 59

85,827

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Bauxite and Aluminum in Yugoslavia, 1956.

GERMAN, per, Metall, Vol XI, p 431, May 1957.

CIA/FDD X-2493

EEur - Yugoslavia

Econ

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Creep Properties of Soft Solders, by A. Keil,
9 pp.
GERMAN, per, Metall, Vol 11, No 5, 1957, pp 740-742,
AEC/SC/Tr-69-1037

Sci/Materials
Oct 69

392,242

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Reduction of Contamination in Rimmed Steel by Non-Metallicinclusions, by G. S. Gerchikov.

GERMAN, per, Metallurg, No 6, 1957, pp 15-17.

C.S.I.R.O.

Sci-Met

May 60

115,960

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Russian Zone Aluminum Production, 15 pp.

GERMAN, per, Metall, Vol XI, Jun 1957, pp 536-540.

CIA/FDD X-2542
~~EDD X 3918~~
XX-5795-3,185

EEur - Sov Bloc
Economic - Output
Sep 57

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Effect of Loading Rate in Tensile Tests on the Shape of the Stress-Strain Curve, by W. Engelhardt, 3 pp.

GERMAN, per. Metall, Vol XI, No 8, 1957, pp 676, 677.

AEC 3453

Bel - Min/Met

Jan 59

79,771

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Alumina-Chrome Refractories for Lining Steelwork Ladles, by Bron, Lande.

GERMAN, per, Metallurg, Sep 1957, pp 17-18.

Co-op Tr Sch Tr 731

Sci - Engr
Feb 58

58,246

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Creep Properties of Soft Solders, by A. Keil, 9 pp.
GERMAN, per, Metall, No 11, 1957, pp 740-742.
AEC/SC-Tr-69-1037

Sci/Mater
Jan 70

400,188

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Observations Made During Electrolytic Polishing of Metals, by H. Mohlberger, 29 pp.

GERMAN, per., Metall, Vol XI, 1957, pp 756-761.

AEC Tr 4036

118,908

Sci - Min/Met
Jun 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Exposure Diagrams for X-Ray Film Work on Titanium and Zirconium, by K. Sagel, 2 pp. UNCLASSIFIED

GERMAN, per, Metall, Vol XI, 1957, pp 769.

AEC Tr 3128

59,294

Sci - Phys; Chem
Feb 58

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Casting Properties of Aluminium-Silicon Alloys, by R. Hummerle.
GIESSEREI, per, Giess Metall, Vol 11, 1957, pp 848-54.
SLA TT-66-11053
SLA 58-25442

331, 561

Sci - Materials
Jul 67

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Casting Properties of the Aluminium-Silicon System, by R. Kummerle,

GERMAN, per, Metall, Vol XI, No 10, pp 848-854. 1957,

C.S.I.R.O.
SLA 58-2542

Sci - min/met

116/140

May 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

A Modern Melting Process for the Production of Metals and Alloys of Highest Purity, by W. Scheibe.

GERMAN, per, Metall, Vol XI, No 10, 1957, pp 854-859.

Henry Brutcher 4241
$5.80

Sci - Engr
Oct 58

73, 719

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

New Aluminum Plant Planned in Yugoslavia, 1 p.

GERMAN, per, Metall, Vol XI, Oct 1957, pp 899.

CIA/FDD X-2706

EEur - Yugoslavia
Econ
Feb 58

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Corrosion of Titanium in Molten Salt Baths,
by M. E. Straumanis, Y. P. Huang,

GERMAN, per, Metall, Vol XI, No 12, 1957,
pp 1029-1032.

ATS 50½-GJ

Sci - Min/Metals

Aug 60

123,935

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Examples of the Use of the Latest Methods in Metallography, by L. Koch. G. Hein, 21 pp. GERMAN, per, Metall, No 12, 1957, pp 1038-1045. AEC-AI-Tr-55-64

Sci/Mator
Mar 71

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Koch, L., Hein, G., and Keste, S.
EXAMPLES OF APPLICATIONS OF NEW TECHNIQUES IN METALLOGRAPHY. [1962] 12p. (figs. omitted) 20 refs.
Order from SLA $1.60 62-16839

Trans. of Metall (West Germany) 1957. v. 11, no. 12, p. 1038-1045.

DESCRIPTORS: *Metallurgy, Electrolytic polishing, Photoengraving, Stresses, Corrosion, Microanalysis, Light, Polarization, Color photography, Grinders.

(Metallurgy. TT. v. 9, no. 2)

62-16839

I. Koch, L.
II. Hein, G.
III. Keste, S.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Foreign Aluminium Information, 2 pp.

GERMAN, per, Metall, Dec 1957.

CIA/FDD X-2728

Feb 58

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Selection of Tool Steels for Hot Working,
by Klarding.

GERMAN, per, Metall, Vol XII, 1958, pp 12-20.

CSIRO

Sci - Engr
Aug 62

211, 320

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Porous Sinter Metals, Their Production and Utilization, by R. Palme, 17 pp.

GERMAN, per, Metall, Vol XII, 1958, pp 28-32.

AEC 3395

Sci - Min/Met

Nov 58

76,445

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Continuous Casting of Aluminium: The Current Postion, by E. Herrmann. UNCL

GERMAN, per, Metall, Vol XII, No 3, 1958, pp 193-197.

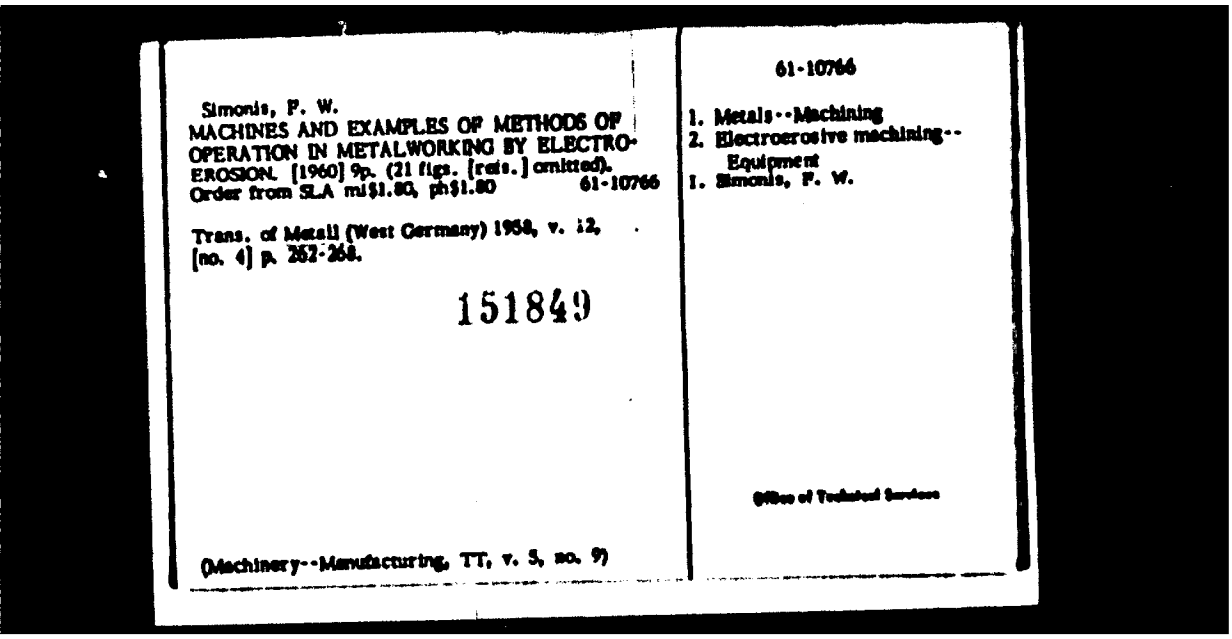
Aluminium Laboratories, Ltd.

Sci - Engr
Apr 59

84,786

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2



Simonis, F. W.
MACHINES AND EXAMPLES OF METHODS OF OPERATION IN METALWORKING BY ELECTRO-EROSION. [1960] 9p. (21 figs. [refs.] omitted).
Order from SLA mi$1.80, ph$1.80 61-10766

Trans. of Metall (West Germany) 1958, v. 12, [no. 4] p. 262-268.

151849

(Machinery--Manufacturing, TT, v. 5, no. 9)

61-10766

1. Metals--Machining
2. Electroerosive machining--Equipment
I. Simonis, F. W.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

X-ray Fine-Structure - Examinations of Scale Layers of Iron-Aluminium-Sinter Materials, by F. H. Oberhauser.

GERMAN, per, Metall, Vol XLIX, No 6, 1958, pp 343-345.

C.S.I.R.O.

Sci

May 60

115,768

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Changes in the Properties of Materials Due to Irradiation With Particles and Photons, by K. H. Sagel, 27 pp.

GERMAN, per, Metall, Vol XII, 1958, pp 353-362.

AERE-Trans-858
Harwell

Sci - Chem
Oct 61

111, 226

List 60

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Microcinematography of Transformation Processes in Metal, by F. Gabler, C. Reichert, R. Mitsche. UNCL

GERMAN, per, Metall, Vol XII, No 5, 1958, pp 362-365.

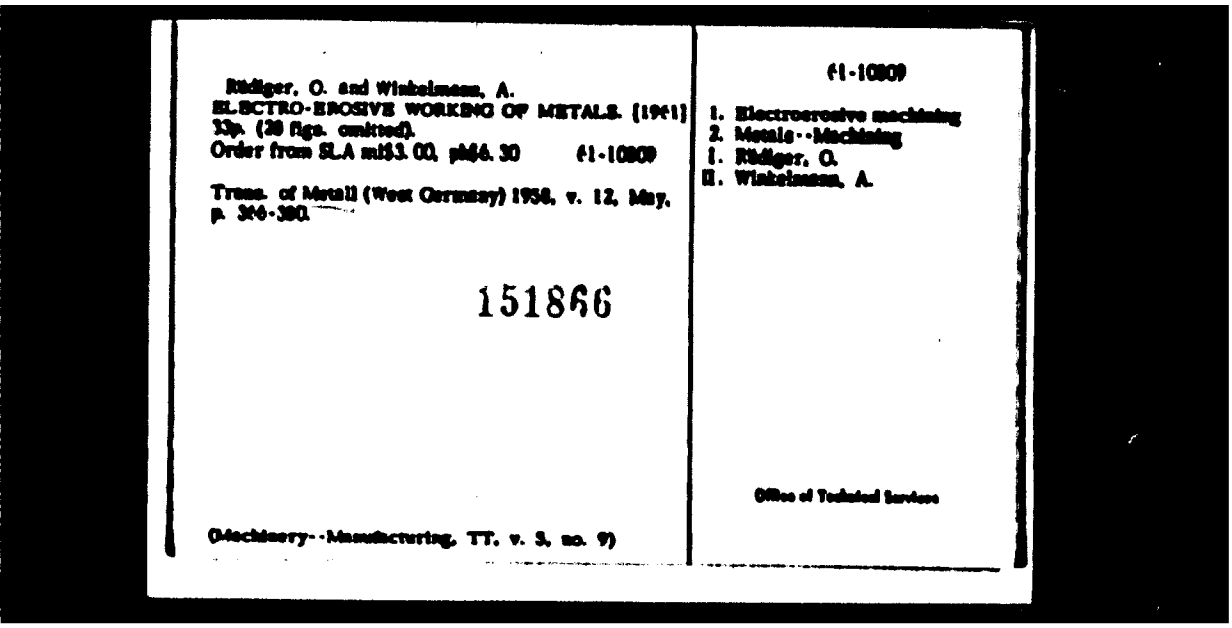
DSIR 34158/CT

Sci - Min/Met
Mar 59

83,376

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2



Rüdiger, O. and Winkelmann, A.
ELECTRO-EROSIVE WORKING OF METALS. [1961]
33p. (20 figs. omitted).
Order from SLA ml53.00, pl46.30 61-10809

Trans. of Metall (West Germany) 1958, v. 12, May, p. 366-380.

151866

(Machinery--Manufacturing, TT. v. 3, no. 9)

61-10809

1. Electroerosive machining
2. Metals--Machining
I. Rüdiger, O.
II. Winkelmann, A.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Influences on the Creep Behaviour of TiAl6V4 Alloy,
by U. Zwicker. UNCL

GERMAN, per, Mntall, Vol XII, No 5, 1958,
pp 381-386.

DSIR 34157/CT

Sci - Min/Met
Mar 59

83,393

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Experiments Concerning the Improvement of Titanium Coatings on Iron, Obtained by Nonelectrolytic Deposition, by M. E. Straumanis, Y. P. Huang,

GERMAN, per, Metall, Vol XII, No 6, 1958, pp 501-503.

ATS 509-GJ

Sci - Min/Metals

Aug 60

123,997

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Brosz, H. J.
CHEMICAL AND ELECTROCHEMICAL SURFACE TREATMENT OF MOLYBDENUM AND TUNGSTEN. [1961] 12p. ([figs.] refs. omitted).
Order from SLA $1.60 61-16166

Trans. of Metall (West Germany) 1958 [v. 12] no. 6, p. 508-511.

DESCRIPTORS *Tungsten, *Molybdenum, Electrolytic polishing, Electrodeposition, Electroplating

(Materials - Finishes, TT, v. 6, no. 3)

61-16166

I. Brosz, H. J.

175245

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Precious Metals In Research In Industry by H. Wolf.

GERMAN, per, Metall, Vol XII, 1958, pp 585-593

CSIRO

OTS 62-18143

Oct. 62

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Question of Grain Size and Age-Hardening of Gold-Platinum Alloys, by H. Schmid, 15 p.

GERMAN, per, Metall, 1958, Vol XII, No 7, pp 612-619.

ATS-13L31G

Sci
Jan 60
Vol 2, No 8

SIRO
105541

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Kell, A. and Merl, W.
CONCERNING THE WELD AND MATERIAL LOSS BEHAVIOR IN INTERRUPTING CONTACTS OF SILVER GRAPHITE. [1961] 9p. (10 figs. omitted)
Order from SLA $1.10 61-16167

Trans. of [Metall (West Germany 1958, v. 12, no. 7, p. 619-622].

DESCRIPTORS: *Silver, *Graphite, Welding fluxes, Sintering, Powder metallurgy, Soldering, Measurement, *Welding

The material-loss of silver-graphite contacts was determined according to the graphite content. A doubling of the graphite content increases the material-loss rate 10- to 12-fold. The material can also only be used efficiently in well-constructed rebounding-arm switching devices. No direct connection could be observed between the material loss and the physical properties as

(Metallurgy, TT, v. 6, no. 5) (over)

61-16167

I. Kell, A.
II. Merl, W.

180445

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

New Means for Brightness Measurement, by H. D. Schulz-Mathke.

GERMAN, per, Metall, Vol XII, No 6, 1958, pp pp 625-628.

IB 4649

Sci - Engr

Dec 59

104,343

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Pore and Bubble Formation During Pressure Casting, by K. Ruttewit, 35pp GERMAN, per, Metall, Vol 12, 1958, No 8, pp 713-721
SLA TT-64-20950

Sci - Mach, Fabri and Accessory Equip
June 67 327,430

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Blum, H.

THE "MITRAL" METAL PLATING PROCESS (Mitral - Metallplattierverfahren). [1962] [11]p. 4 refs. Order from SLA $1.60 62-18185

Trans. of Metall (West Germany) 1958, v. 12, no. 9, p. 814-816.

DESCRIPTORS: *Plating, *Zinc, Powder metallurgy, *Zinc coatings, Surfaces, Adhesion.

(Metallurgy, IT, v. 9, no. 4)

62-18185

1. Blum, H.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

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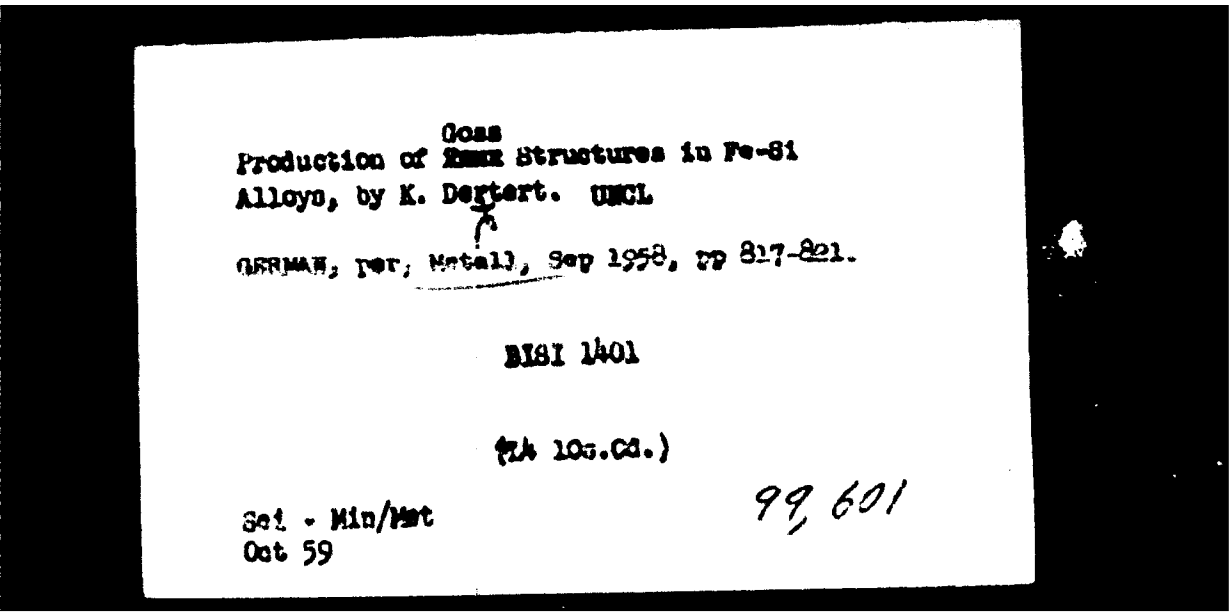

Goss
Production of ~~Rmmx~~ Structures in Fe-Si
Alloys, by K. Dertert. UMCL

GERMAN, per; Metall, Sep 1958, pp 817-821.

BISI 1401

(7½ los.Cd.)

99,601

Sel - Min/Met
Oct 59

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Klatte, H.
CONTINUOUS CASTING OF COPPER: SIGNIFICANCE OF CASTING SPEED (Zum Strangiessen von Kupfer: Die Bedeutung der Giessgeschwindigkeit). [1963] [16p] (foreign text included) 4refs
Order from SLA $1.60 TT-64-10621

Trans. of Metall (West Germany) 1958, v. 12, no. 11, p. 992-995. (Abstract available)

DESCRIPTORS: *Copper, *Casting, Liquid metals, Cooling, Microstructure, Fracture (Mechanics)

The continuous casting of copper is possible up to a certain maximum casting speed or certain maximum amount of metal cast in the unit of time. Exceeding these limits results in bars with cracks, mostly in the middle of the bar. A breaking test performed in a simply way gives information about the quality, particularly absence of cracks in the cast band. In copper con-
(Metallurgy--Nonferrous Metals, TT, v. 11, no. 10)
(over)

TT-64-10621

I. Klatte, H.
II. Title: Significance...
III. Title: Bedeutung...

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

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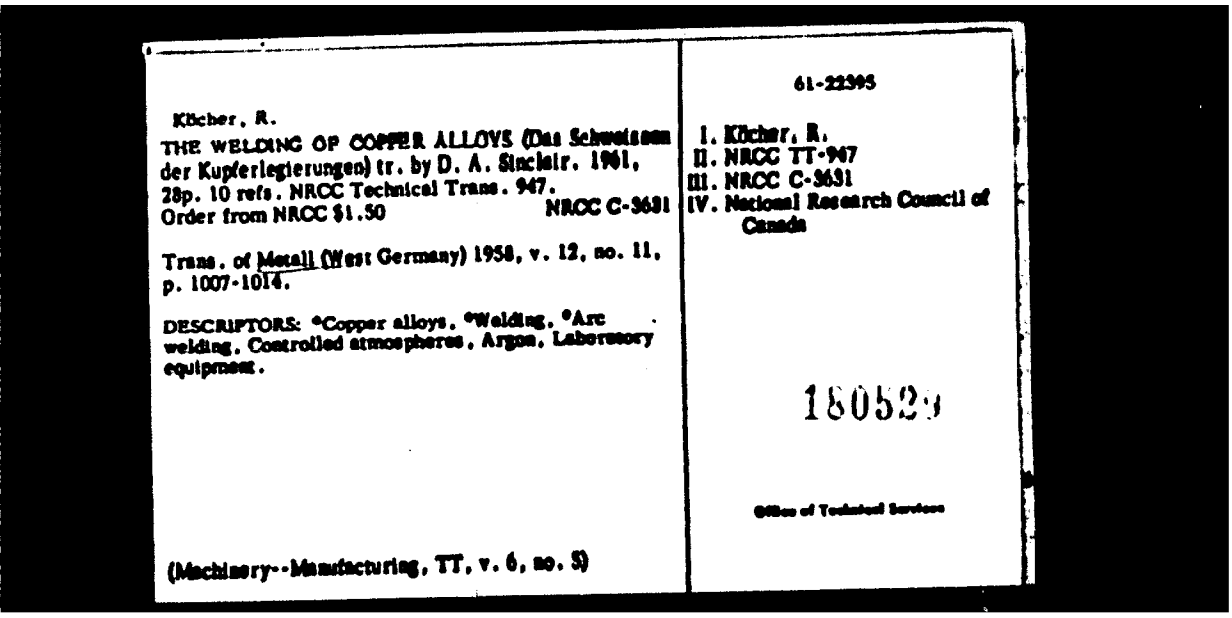

Klöcher, R.

THE WELDING OF COPPER ALLOYS (Das Schweissen der Kupferlegierungen) tr. by D. A. Sinclair. 1961, 28p. 10 refs. NRCC Technical Trans. 947.
Order from NRCC $1.50 NRCC C-3691

Trans. of Metall (West Germany) 1958, v. 12, no. 11, p. 1007-1014.

DESCRIPTORS: *Copper alloys, *Welding, *Arc welding, Controlled atmospheres, Argon, Laboratory equipment.

(Machinery--Manufacturing, TT, v. 6, no. 5)

61-22395

I. Klöcher, R.
II. NRCC TT-947
III. NRCC C-3691
IV. National Research Council of Canada

18052

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Effect of Sound Field Interference on Flaw Detection in Solids, by F. Linhardt,

CHEMK, perm, Metall, Vol XII, Part 1, 1958, pp 1085-1092.

Navy Tr 3711/USBRL 35

Sci Tech
Feb 61

248,683

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Determination of Textures of Metallic Materials Using Counter Tubes, by F. Haeszner. UNCL

GERMAN, per, Metall, Feb 1958, pp 89-95; Dec, pp 1094-1101.

British Iron and Steel Ind E 1319
(Not to be included in BISI unless 2 or more tr's are requested)

Sel - Min/Met
May 59

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Titanium-Magnesium Systems, by I. Obinata et al.

GERMAN, per, Metall, Vol XIII, No 5, 1959, pp 392-397.

ATS 508-GJ

Sci - Min/Metals

Aug 60

123,936

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Influence of Degree of Purity, Casting Conditions and Working Temperature on the Extrusion and Drawing Textures of Aluminium, by L. Grewen, G. Wassermann.
GERMAN, per, Metall, Vol 12, No 6, 1958, pp 523-25.
MLL Ref: 5828.4F (M.13127)

Sci-Mat
Sept 69

3981,075

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Oxide Phases of Lead and Their Crystal Structures,
by M. Stammler.
GERMAN, per. Metall. Vol 13, No 8, 1959,
pp 750-2.
ATS 1216-GJ

Sci - Phys Sci
Aug. 67 338,288

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Segregation and Heat-Resisting Behaviour.
by H. Klein. UNCL

GERMAN, per, Metall, No 8, 1959, pp 752-76

BISI 1498

(L6 10s.0d.)

Del - Min/Met
Jan 60

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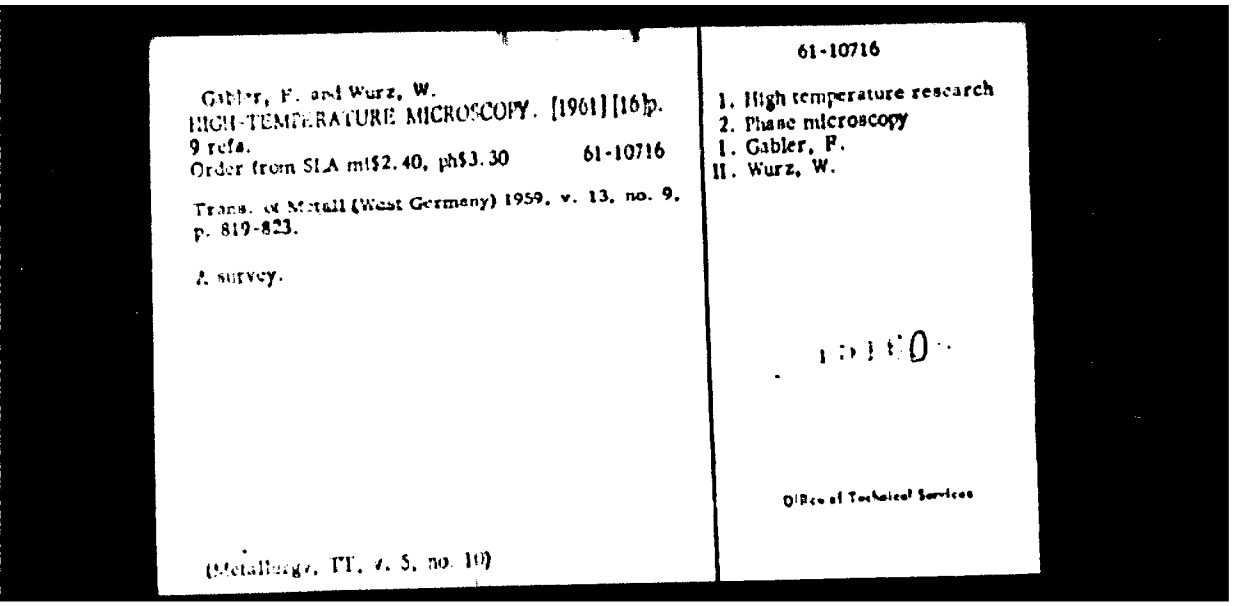

Gabler, F. and Wurz, W.
HIGH-TEMPERATURE MICROSCOPY. [1961] [16]p.
9 refs.
Order from SLA mi$2.40, ph$3.30 61-10716

Trans. of Metall (West Germany) 1959, v. 13, no. 9, p. 819-823.

A survey.

(Metallurgy, IT, v. 5, no. 10)

61-10716

1. High temperature research
2. Phase microscopy
I. Gabler, F.
II. Wurz, W.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

The Effect of Sound Field Interference on Flaw Detection in Solids, by F. Linhardt.

GERMAN, ger, Metall, Vol XIII, Part 2, 1959, pp 1133-1138.

Navy Tr 3711/USRL 35

Sci - Phys
Feb 64

248.684

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

AEC/T ALO-69-28 R-9805-D
4 Oct 68

Zur elektrolytischen abscheidung des aluminiums aus dem hydrid-elektrolyten

By: Elze, J; Lange, G.; Meyer, D.

From: Metall., 13: 541-5, 1959 (5 pp)

German - est for wds:

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APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Electrolytic Precipitationn of Aluminum with Electrolytic Hydrides, by J. Elze, G. Lange, 12 pp.
GERMAN, per, Metall, Vol 13,(6), 1959, pp 541-545.
AEC-Tr-6973-69

Sci/Materials
Apr 69 377,425

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2

Transition From Plastic to Brittle Behavior in Thin Tungsten Wires, by W. Schilling, H. Paschedag. 12 pp.
GERMAN, per, Metall, Vol 14, No 1, 1960, pp 23-25.
OTS TT-64-11816
DDC AISC 181

Sci/Mechan. Indust, Civil & Marine Engr
Jun 67

327,718

APPROVED FOR RELEASE: Tuesday, July 01, 2003 CIA-RDP91-00929R000200630018-2